

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

(4)

			
<a href="#">Equipment</a>	<a href="#">Work Files</a>	<a href="#">Research</a>	<a href="#">Services</a>
<a href="#">Saved Searches</a>	<a href="#">My Account</a>	<a href="#">Products</a>	<a href="#">Inside Delphion</a>
Search: <a href="#">Quick/Number</a> <a href="#">Boolean</a> <a href="#">Advanced</a>			

## The Delphion Integrated View

Buy Now: [More choices...](#)Tools: Add to Work File: [Create new Wo](#)View: [INPADOC](#) | Jump to: [Top](#)  Go to: [Derwent...](#) [Email](#)Title: **JP61246349A2: MANUFACTURE OF ALUMINUM ALLOY MEMBER**

Country: JP Japan

Kind: A

 Inventor: YAMAMOTO JUNICHI;  
 YAMAMOTO YOSHIFUMI;  
 TAKAHASHI YUJI;  
 FUKAHORI MITSUGI;

 Assignee: MAZDA MOTOR CORP  
[News, Profiles, Stocks and More about this company](#)

Published / Filed: Nov. 1, 1986 / April 22, 1985

Application Number: JP1985000086084

IPC Code: C22F 1/04;

Priority Number: April 22, 1985 JP1985000086084

Abstract:

PURPOSE: To improve thermal fatigue-resisting strength by subjecting an Al alloy stock which is locally melted by means of a high density energy heat ray and rapidly cooled to solution heat treatment and then to artificial aging treatment.

CONSTITUTION: The Al alloy stock is irradiated with the high density energy heat ray, for example, laser beam etc., while shifting the ray, so that the surface undergoes local melting, which is then cooled rapidly. Subsequently, the stock is heated at 480W520°C for 4W10Hr to undergo solution heat treatment and is then hardened, followed by artificial aging treatment, e.g. at 170W200°C for 6W10Hr.

COPYRIGHT: (C)1986,JPO&amp;Japio

Family: [Show 2 known family members](#)

Other Abstract Info: DERABS C86-329586 DERC86-329586

[Nominate this for](#)